IAP20 Rec'd PCT/PTO 23 MAY 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No:

To Be Assigned

Applicants:

Suguru FUJITA, et al.

Filed:

Herewith

Title:

TRANSMITTING DEVICE, RECEIVING DEVICE, AND

COMMUNICATION SYSTEM

TC/A.U.:

To Be Assigned

Examiner:

To Be Assigned Confirmation No.: To Be Assigned

Docket No.:

MAT-8839US

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO SB/08(a) and PTO SB/08(b) form submitted herewith. A copy of the references listed on the PTO SB/08(a) and PTO SB/08(b) are enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following references are not in the English language:

- 1) WO 2004/077775
- JP 2003-189353 2)
- JP 2003-515974 3)

References 1) and 2) include an English language abstract.

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Reference 3 has a counterpart English language patent or application attached and a "concise explanation" under 37 CFR § 1.98(a)(3) as set forth in the background portion of the specification.

References 1) to 3) were cited in a search report by a foreign Patent Office in a patent application corresponding to the above-identified patent application. A copy of the Japanese language Search Report and an English translation of Form PCT/ISA/210 to explain the special category definitions of the Japanese language search report are enclosed. MPEP Section 609 IIIA(3)

This Information Disclosure Statement is being filed concurrently with the abovereferenced application.

spectfully submitted

awrence E. Ashery, Reg. No. 34,515 Attorney for Applicants

LEA/fp

Enclosures: PTO/SB/08A and PTØ/SB/08B

(6) References

Japanese Search Report

English translation of Form PCT/ISA/210.

Dated:

May 23, 2006

P.O. Box 980 Valley Forge, PA 19482-0980 (610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

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I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

KATHLEEN LIBBY

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PTO/SB/08A (AW 4/25/03) (04-03)
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Substitute for Form 1449/PTO	Complete if Known		
	Application Number	To Be Assigned (18)/5806 40	
INFORMATION DISCLOSURE	Filing Date	Herewith	
STATEMENT BY APPLICANT	First Named Inventor	Suguru FUJITA, et al.	
(Use as many sheets as necessary)	Art Unit	To Be Assigned	
	Examiner Name	To Be Assigned	
SHEET 1 of 2	Attorney Docket No.	MAT-8839US	

			U.S. PATENT DO	OCUMENTS	
		Document Number			Pages, Columns, Lines, Where
Examiner Initials*	Cite No.1	Number - Kind Code ^{2 (if known)}	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear

		FOREIGN PAT	ENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ^{5 (If known)}	Publication Date (MM-DD- YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T۴
		WO 2004/077775 A1 (with English abstract)	09/10/04	YOKOHAMA TLO COMPANYLTD		
		JP 2003-189353 A (with English abstract)	07/04/03	GENERAL ELECTRIC CO		
		JP 2003-515974 A (with counterpart WO 2001/039451 A1)	05/07/03			
		WO 2001/039451 A1 (with counterpart JP 2003-515974 A)	05/31/01	MULTISPECTRAL SOLUTIONS INC		
Examiner Signature			·	Date Considered		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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³See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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	Substitute for Form 1449/PTO	Complete if Known		
		Application Number	To Be Assigned 40/580540	
	INFORMATION DISCLOSURE	Filing Date	Herewith	
	STATEMENT BY APPLICANT	First Named Inventor	Suguru FUJITA, et al.	
	(Use as many sheets as necessary)	Art Unit	To Be Assigned	
	Examiner Name	To Be Assigned		
	SHEET 2 of 2	Attorney Docket No.	MAT-8839US	

		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Japanese Search Report for PCT/JP2005/018670, dated January 17, 2006.	
		English translation of Form PCT/ISA/210.	
		CHOI, et al., "Performance of Autocorrelation Receivers for Ultra-Wideband Communications with PPM in Multipath Channels", In: Ultra Wideband Systems and Technologies, 2002, Digest of Papers, 2002 IEEE Conference, May 23, 2002, pp. 213-217.	
		QUEK, et al., "Ultrawide Bandwidth Transmitted-Reference Signaling'", Communications, 2004 IEEE International Conference, June 24, 2004, pp. 3409-3413, Vol. 6.	
·			
Examiner		Date	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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